



# First Hill Streetcar Project Update



Seattle City Council Transportation  
Committee  
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# SDOT's mission



Deliver a safe and reliable transportation system that enhances Seattle's environment and economic vitality.

# SDOT's core principles





# Presentation overview

- Project background
- Design highlights
- Project risks and status
- Construction progress and schedule
- Vehicle manufacturing status
- Start-up planning

# Background

- Sound Transit (ST) 2 project
- Alternative to light rail station
  - connects Capitol Hill and International District
- ST agreement provides
  - \$132.8 M
  - City design/construction authority, including station locations and complete streets design
  - City right to operate as part of broader system
- Pioneer Square station



# Design highlights

- Marion and Terrace Plaza stations
- Stop locations and neighborhood connections
- Broadway protected bike lanes
- LEED maintenance facility





# Marion and Terrace plaza stations



Broadway/Marion  
Perspective



# Marion and Terrace plaza stations

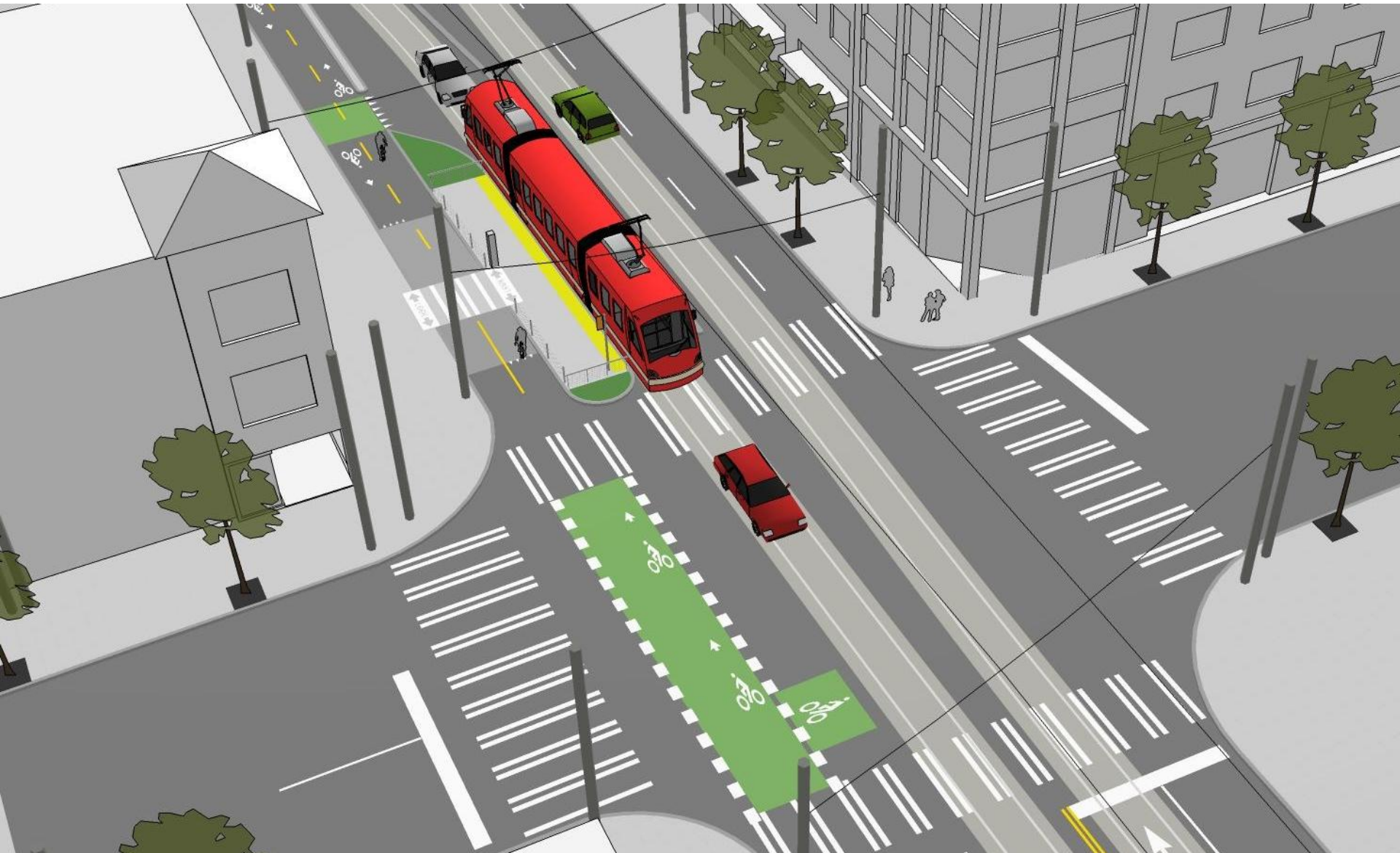




# Stop locations and neighborhood connections: Yesler Terrace



# Broadway protected bike lanes

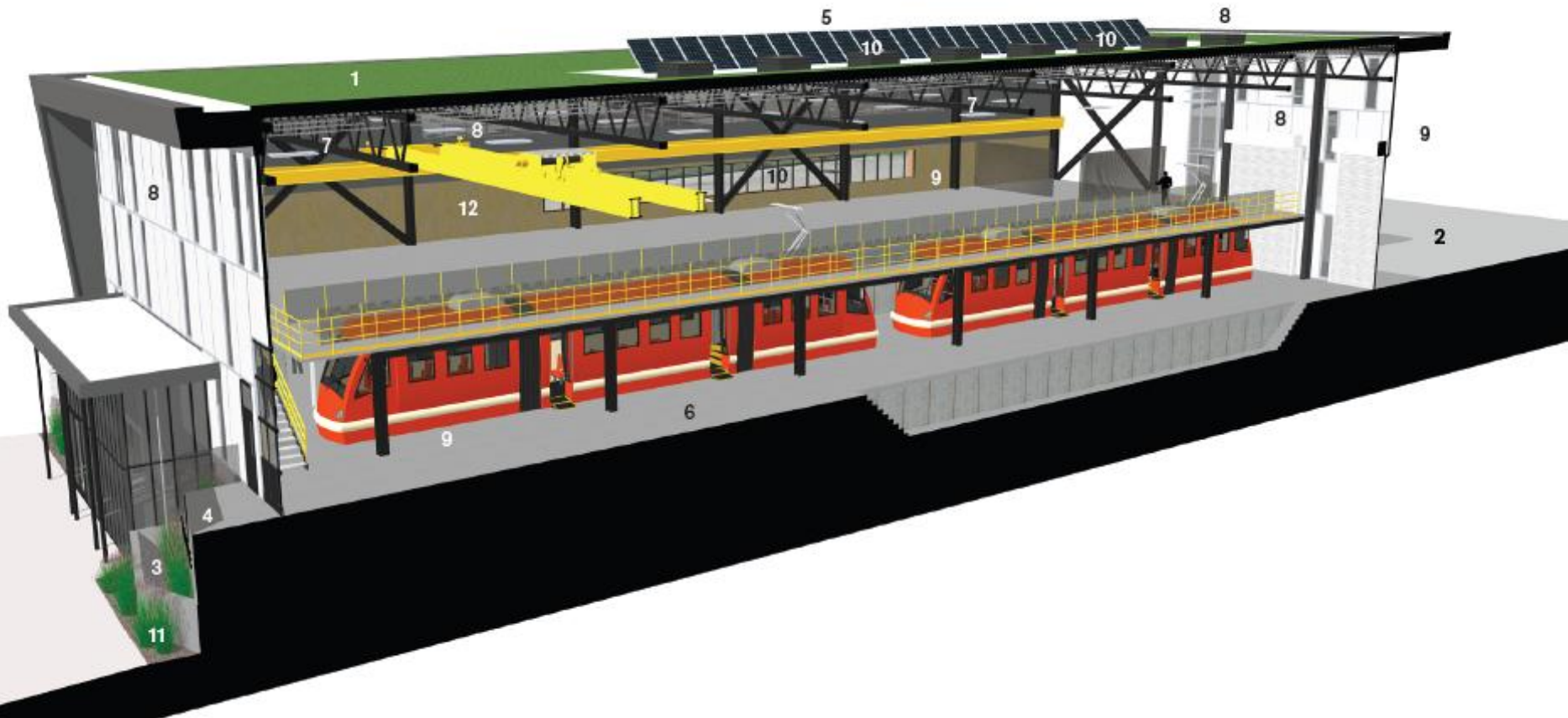




# Broadway protected bike lanes

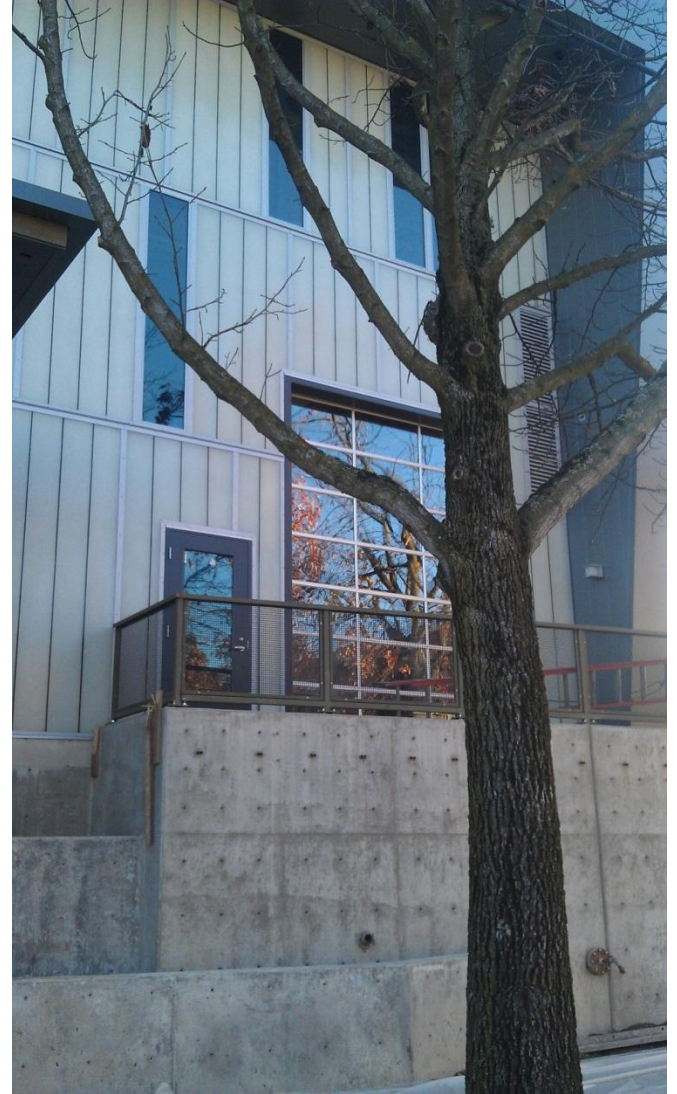
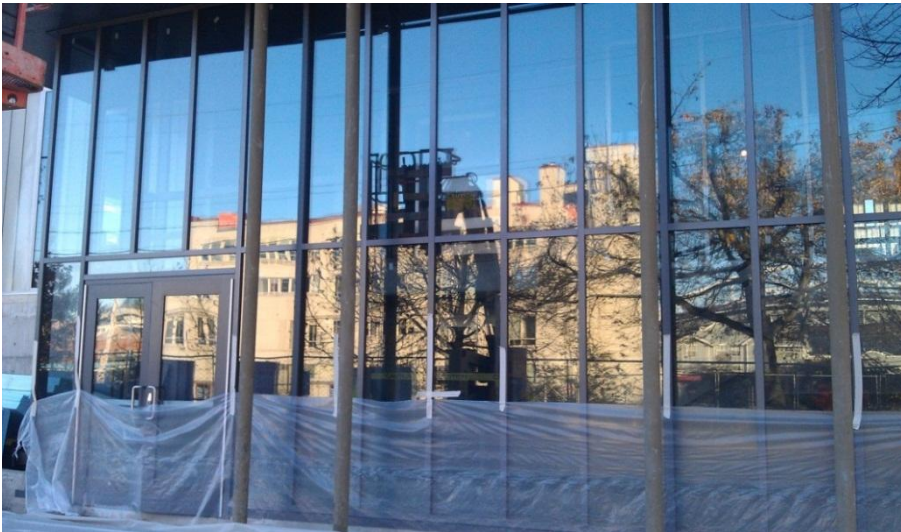


# LEED maintenance facility





# LEED maintenance facility



# Key project risks and status

Design to include Pioneer Square segment reduced available contingency	open
Aging utilities and bridge structures in corridor	complete
Complex construction environment – fixed bus routes, overhead power, schools, hospitals, retail, diverse residential population	complete
Integration of streetcar power systems with existing trolley bus system	open
Streetcar vehicle procurement schedule and battery drive requirement	open





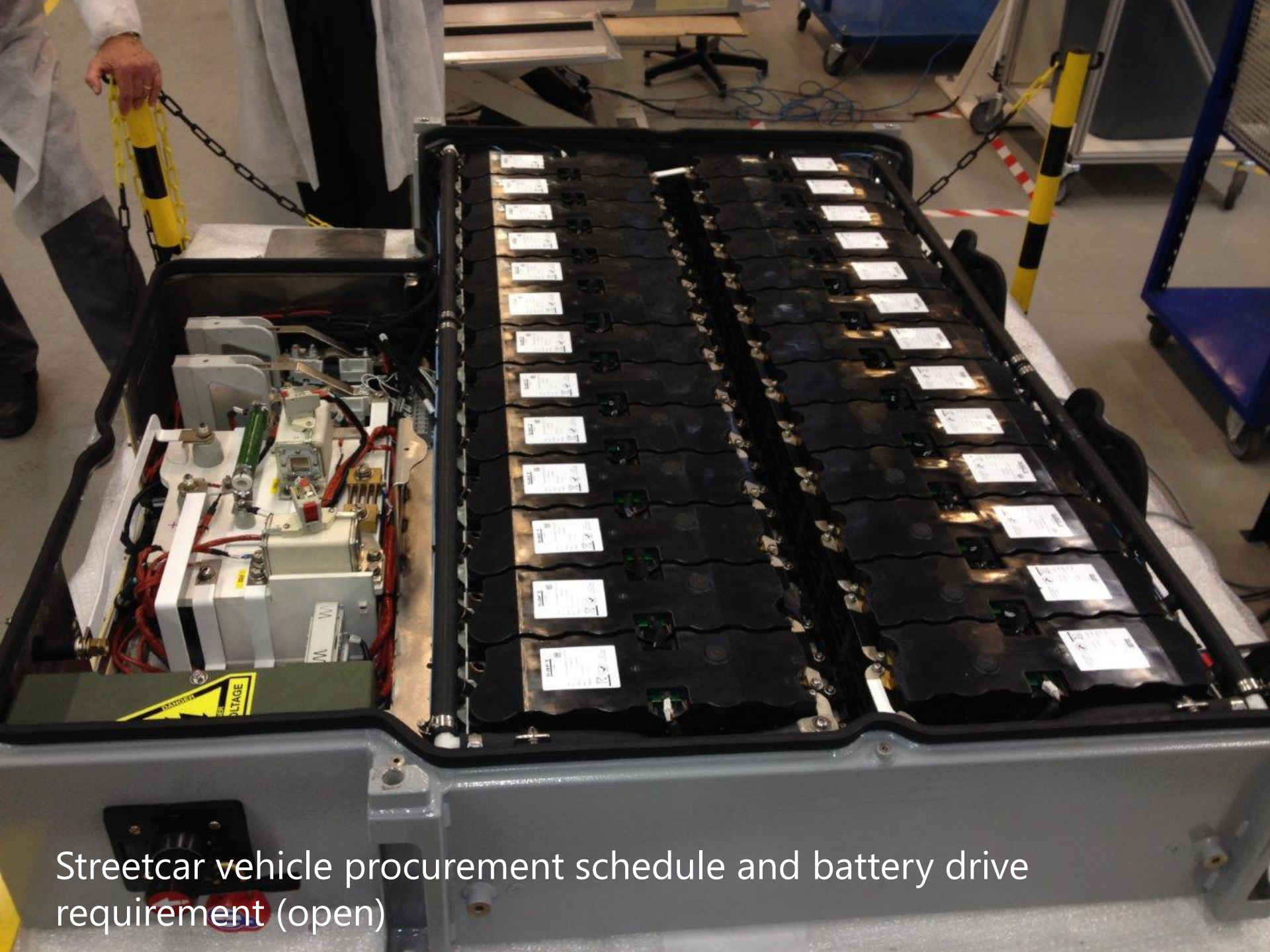
Integration of streetcar power systems with existing trolley bus system (open)





Streetcar vehicle procurement schedule and battery drive requirement (open)





Streetcar vehicle procurement schedule and battery drive requirement (open)

# Construction progress and schedule

- Notice to proceed: April 10, 2012
- Substantial completion date: May 12, 2014 (on schedule)





# Completed elements

## Highlights:

- All utilities and drainage
- Track and roadway on Broadway, Jackson, Yesler
- 8 of 10 platforms
- Maintenance facility
- Overhead contact wire



# Remaining work

## Highlights

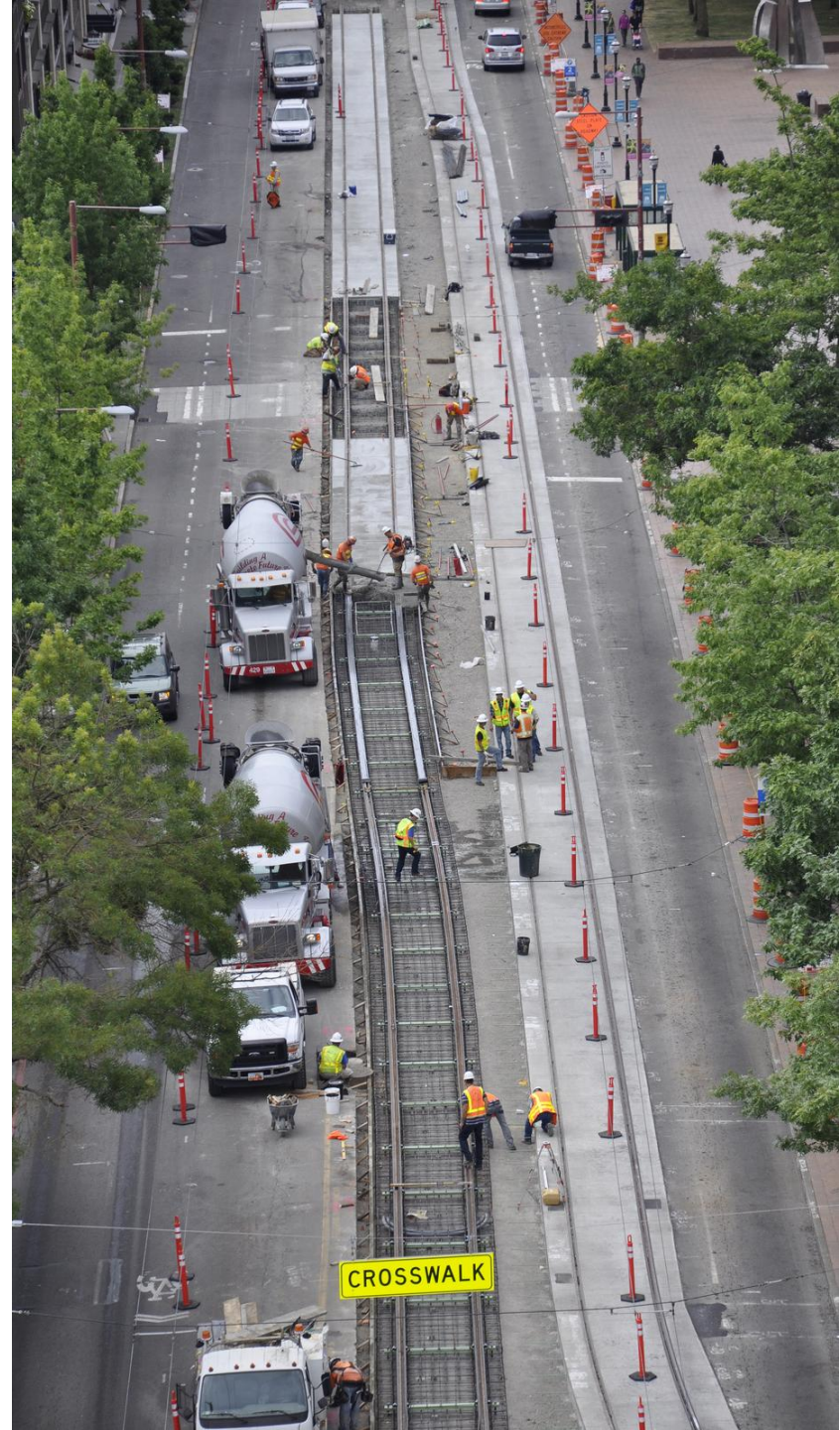
- Overhead contact crossings
- Traction power installations
- Train signal system
- Platform furnishings, sidewalk restoration, protected bike lanes





# Construction progress/schedule

- Expenditures to date: \$101 M (76% of total)
- Construction is 85% complete
- Approved change orders to date: \$5.1 M
- Remaining risks primarily in systems installation, vehicle schedule delay



# Vehicle manufacturing status

Progress to-date:

- All bodysells assembled
- Most major components delivered to factory
- Final assembly of 3 vehicles in Seattle

Current schedule:

- Vehicle deliveries June – October

Schedule impacts to date:

- Test sample failure/redesign of flooring
- Design coordination delays with suppliers



# Start-up planning

## Start-up predecessors:

- Operating agreement with King County Metro
- Metro Hiring
- Vehicle deliveries

# Questions?

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# Thanks!

<http://www.seattle.gov/transportation>

